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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/448,144	11/24/1999	MASAHIRO SAITOU	0039-7444-0T	4711		
22850	22850 7590 10/19/2004			EXAMINER		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			MERCADO, JULIAN A			
	ZIA, VA 22314		ART UNIT PAPER NUMBER			
			1745			
			DATE MAILED: 10/19/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		09/448,144	SAITOU ET AL.	,			
		Examiner	Art Unit				
		Julian Mercado	1745				
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	correspondence address -	••			
THE - Exte after - if the - if NC - Failt Any	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period vere to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be till y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication (35 U.S.C. § 133).	ation.			
Status							
1)⊠	Responsive to communication(s) filed on 26 A	ugust 2004.					
2a)[This action is FINAL . 2b) This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposit	on of Claims						
4)⊠	Claim(s) 1,3 and 6-20 is/are pending in the app	olication.					
	4a) Of the above claim(s) <u>6-15</u> is/are withdrawr						
5)⊠	Claim(s) 19 and 20 is/are allowed.						
6)⊠	☑ Claim(s) <u>1,3 and 16-18</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8) 🗌	Claim(s) are subject to restriction and/o	r election requirement.					
Applicati	on Papers						
9)	The specification is objected to by the Examine	r.					
•	The drawing(s) filed on is/are: a) ☐ acce		Examiner.				
	Applicant may not request that any objection to the						
	Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is ob	jected to. See 37 CFR 1.12	1(d).			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152				
Priority u	ınder 35 U.S.C. § 119						
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prioring application from the International Bureautiee the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment	(s)			•			
	e of References Cited (PTO-892)	4) Interview Summary					
3) 🔲 Inforn	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate atent Application (PTO-152)				
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DETAILED ACTION

Remarks

This Office Action is responsive to applicant's amendment filed August 26, 2004.

Claims 1, 3, 6-15, 16-20 are pending. Claims 6-15 are withdrawn from consideration.

Claim Rejections - 35 USC § 102

The rejection of claims 1, 3 and 17 under 35 U.S.C. 102(b) based on Li et al. (U.S. Pat. 5,624,769) has been withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 3 and 16-18 are rejected under 35 U.S.C. 103(a) as obvious over Li et al. in view of Pai et al. (U.S. Pat. 4,759,993)

The rejection is maintained for the reasons of record. The examiner notes applicant's amendment to independent claim 1 further defining that the thickness of the corrosion resistance layer is 0.1 µm or more. While Li et al. does not explicitly teach the stainless steel oxide layer to have this thickness, Pai et al. discloses a stainless steel substrate having an oxide coating of 1000 angstroms or more which equates to 0.1 µm or

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greater. (col. 5 line 20-22) The skilled artisan would find obvious to employ the stainless steel substrate of Pai et al. in Li et al.'s invention consistent with Li et al.'s desire for a corrosion resistant substrate and Pai et al.'s teaching that such a substrate has corrosion-

resistant properties. (see Li et al. col. 3 line 48-56, Pai et al. col. 5 line 19-37)

As to claim 18 which recites a crystal orientation of a Miller index of (200) or (002), applicant's argument have been fully considered but are not found persuasive. Applicant appears to concede that at least a portion of Li et al. possesses a Miller index of (200), then asserts that the claimed invention is distinguishable based on the corrosion resistance of the film. However, Li et al. either singly or in combination with Pai et al. is considered to teach or at least suggest the corrosion resistance feature of the claimed invention. Thus, the examiner maintains that as the multi-coating layer disclosed by Li et al. and Pai et al. is identical to that disclosed and claimed by applicant it would naturally flow to inherently have both the same crystal orientation and corrosion resistance property, absent of a showing by applicant that the claimed invention distinguishes over the reference. *In re* Best, 195 USPQ at 433, footnote 4 (CCPA 1977) and *In re Spada*, 15 USPQ 2d 1655 (Fed. Cir. 1990)

Allowable Subject Matter

Claims 19 and 20 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record does not teach or suggest the instant invention regarding a low electric resistance layer, corrosion resistance layer and peeling resistance layer each having the claimed thickness.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian Mercado whose telephone number is (571) 272-1289. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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